

### **AMENDMENTS TO THE CLAIMS**

The listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

1. (Previously Presented) A moisture activated implant device for placement into a tooth extraction site or other bone defect and promoting bone growth in the bone defect, comprising:

a dry covering comprised of a water absorbing gelatinizable material that defines an enclosed space, wherein the dry covering consists essentially of oxidized cellulose; and

a bone growth promoting material, disposed within the enclosed space defined by the dry covering, selected from the group consisting of hydroxyapatite, beta-tricalcium phosphate, purified coral shell, freeze dried natural bone powder, freeze dried natural bone particles, demineralized natural bone powder, demineralized natural bone particles, demineralized natural bone shards, demineralized natural bone fragments, and combinations thereof,

wherein the dry covering encapsulates and retains the bone growth promoting material within the enclosed space prior to use and becomes gelatinous and adhesive upon contact with water so as to retain the bone growth promoting material within a tooth extraction site or other bone defect during use.

2. (Previously Presented) An implant device as recited in claim 1, wherein the implant device consists essentially of oxidized cellulose and the bone growth promoting material.

3. (Previously Presented) An implant device as recited in claim 1, wherein the water absorbing gelatinizable material is resorbable.

4. (Cancelled)

5. (Cancelled)

6. (Previously Presented) An implant device as recited in claim 1, wherein the implant device has an elongate sausage-like configuration.

7. (Currently Amended) An implant device as recited in claim 1, wherein the implant device has a ~~non-elongate~~; pillow like configuration.

8. (Previously Presented) An implant device as recited in claim 1, further comprising moisture-resistant packaging within which the implant device is stored prior to use.

9. (Previously Presented) An implant device as recited in claim 1, wherein the implant device further comprises an adhesive dispersed with the bone growth promoting material for adhering the bone growth material together.

10. (Previously Presented) An implant device as recited in claim 9, wherein the adhesive comprises at least one of fibrin powder or chopped adhesive gauze.

11. (Withdrawn) A method of manufacturing the implant device for promoting bone growth according to claim 1, comprising:

forming the water absorbing gelatinizable material into a hollow tube or pouch;  
inserting the bone growth promoting material into at least a portion of the tube or pouch; and  
closing one or more initially open ends of the tube or pouch to form the implant device for promoting bone growth.

12. (Withdrawn) A method of manufacturing as recited in claim 11, wherein the act of closing one or more ends of the tube or pouch comprises wet sealing and then drying the ends.

13. (Withdrawn) A method of manufacturing as recited in claim 11, wherein the tube or pouch is divided into a plurality of individual sections that are separated and individually sealed so as to form a plurality of implant devices from a single tube or pouch filled with the bone growth promoting material.

14. (Previously Presented) A method of promoting bone growth within a tooth extraction site or other bone defect, comprising:

providing the implant device recited in claim 1, the covering of the implant device being dry and initially non-adhesive;

placing the implant device within a tooth extraction site or other bone defect; and  
the covering of the implant device becoming gelatinous and adhesive upon contact with water in order to retain the bone growth material within the tooth extraction site or other bone defect.

15. (Previously Presented) A method as defined in claim 14, wherein the implant device is placed into a bone defect resulting from the removal of a tooth.

16-27. (Cancelled)

28. (Previously Presented) A moisture activated implant device for placement into a tooth extraction site or other bone defect and promoting bone growth in the bone defect, comprising:

a dry covering comprised of a water absorbing gelatinizable material that defines an enclosed space, wherein the dry covering consists essentially of oxidized cellulose;

a bone growth promoting material in granule or powder form disposed within the enclosed space defined by the dry covering; and

a thickener dispersed among the bone growth promoting material, the thickener comprising a material that forms a viscous gel or firm putty upon contact with water,

wherein the dry covering encapsulates and retains the bone growth promoting material within the enclosed space prior to use and becomes gelatinous and adhesive upon contact with water so as to retain the bone growth promoting material within a tooth extraction site or other bone defect during use.

29. (Previously Presented) An implant device as recited in claim 28, wherein the implant device consists essentially of oxidized cellulose, the bone growth promoting material, and the thickener.

30. (Previously Presented) An implant device as recited in claim 28, wherein the thickener comprises at least one of gelatinizable gauze, oxidized cellulose, oxidized regenerated cellulose, ground catgut, or powdered catgut.

31. (Previously Presented) An implant device as recited in claim 28, wherein the thickener comprises a biocompatible gelatinous collagen material.

32. (Previously Presented) An implant device as recited in claim 28, wherein the bone growth promoting material comprises hydroxyapatite, beta-tricalcium phosphate, purified coral shell, natural bone, demineralized natural bone, or a combination thereof.

33. (Previously Presented) An implant device as in recited in claim 28, wherein the cover is woven, knitted, or braided.